ANOVA Table for NA nmol/l

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Cachexia diag.- NA-figure	11	260.240	23.658	2.550	.0020
Residual	103	825.966	8.019		

Model II estimate of between component variance: 1.794
94 cases were omitted due to missing values.

Means Table for NA nmol/l
Effect: Cachexia diag.- NA-figure

	Count	Mean	Std. Dev.	Std. Err.
AIDS	8	5.217	4.801	1.980
cachectic CHF	16	4.870	2.519	.650
Cancer	2	8.368	5.056	3.575
chronic renal failure	2	3.896	4.668	3.315
COPD	14	3.643	2.305	.616
healthy controls	16	1.940	.687	.172
Ideopathic cachexia	2	3.835	3.203	2.265
Infection	8	6.437	6.868	2.844
Livercirrh + Cachexia	8	6.098	5.693	2.324
Malnutrition	8	2.887	1.784	.728
more Controls	3	2.373	1.089	.634
nc CHF	37	2.584	1.344	.221

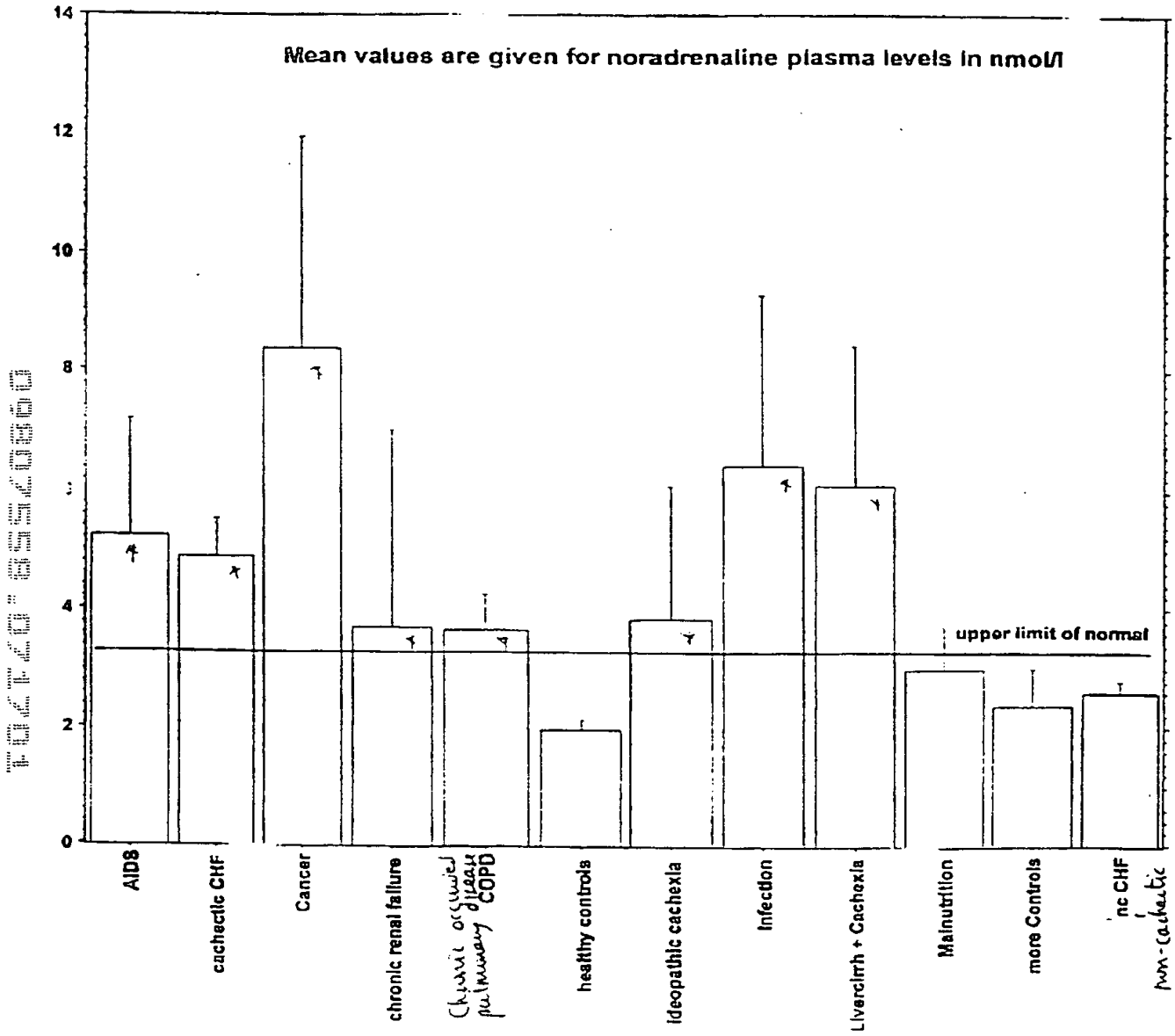
Figure 1

Individual data as summarised in Figure 2

Fisher's PLSD for NA nmol/l
Effect: Cachexia diag.- NA-figure
Significance Level: 5 %

	Mean Diff.	Crit. Diff	P-Value	
AIDS, cachectic CHF	.347	2.718	.8004	
AIDS, Cancer	-3.148	4.586	.1783	
AIDS, chronic renal failure	1.322	4.586	.5119	
AIDS, COPD	1.574	2.746	.2578	
AIDS, healthy controls	3.277	2.688	.0174	S
AIDS, Ideopathic cachexia	1.382	4.586	.5514	
AIDS, Infection	-1.220	3.243	.4572	
AIDS, Livercirrh + Cachexia	-.882	3.243	.5998	
AIDS, Malnutrition	2.330	3.243	.1756	
AIDS, more Controls	2.843	3.971	.1686	
AIDS, nc CHF	2.633	2.472	.0371	S
cachectic CHF, Cancer	-3.495	4.586	.1042	
cachectic CHF, chronic renal failure	1.175	4.586	.5827	
cachectic CHF, COPD	1.227	2.687	.5462	
cachectic CHF, healthy controls	2.930	2.618	.0049	S
cachectic CHF, Ideopathic cachexia	1.035	4.586	.6283	
cachectic CHF, Infection	-1.567	2.713	.2647	
cachectic CHF, Livercirrh + Cachexia	-1.228	2.713	.3713	
cachectic CHF, Malnutrition	1.983	2.713	.1716	
cachectic CHF, more Controls	2.497	3.582	.1663	
cachectic CHF, nc CHF	2.286	1.719	.0099	S
Cancer, chronic renal failure	4.670	5.818	.1022	
Cancer, COPD	4.722	4.246	.0288	S
Cancer, healthy controls	6.496	4.919	.0091	S
Cancer, Ideopathic cachexia				
Cancer, Infection	1.928	4.586	.4662	
Cancer, Livercirrh + Cachexia	2.267	4.586	.3292	
Cancer, Malnutrition	5.378	4.586	.0220	S
Cancer, more Controls	6.002	5.127	.0224	S
Cancer, nc CHF	5.781	4.077	.0058	S
chronic renal failure, COPD	.052	4.246	.9886	
chronic renal failure, healthy controls	1.755	4.212	.4183	
chronic renal failure, Ideopathic cachexia	-.140	5.818	.9687	
chronic renal failure, Infection	-2.742	4.586	.2384	
chronic renal failure, Livercirrh + Cachexia	-2.403	4.586	.3016	
chronic renal failure, Malnutrition	.709	4.586	.7800	
chronic renal failure, more Controls	1.322	5.127	.6109	
chronic renal failure, nc CHF	1.111	4.077	.5900	
COPD, healthy controls	1.703	2.056	.1085	
COPD, Ideopathic cachexia	-.192	4.246	.9285	
COPD, Infection	-2.794	2.746	.0456	S
COPD, Livercirrh + Cachexia	-2.455	2.746	.0785	
COPD, Malnutrition	.656	2.746	.6386	
COPD, more Controls	1.269	3.573	.4827	
COPD, nc CHF	1.059	1.762	.2382	
healthy controls, Ideopathic cachexia	-1.895	4.212	.3743	
healthy controls, Infection	-4.497	2.688	.0018	S
healthy controls, Livercirrh + Cachexia	-4.158	2.688	.0028	S
healthy controls, Malnutrition	-1.047	2.688	.4418	
healthy controls, more Controls	-.433	3.533	.8083	
healthy controls, nc CHF	-.644	1.680	.4491	
Ideopathic cachexia, Infection	-2.802	4.586	.3631	
Ideopathic cachexia, Livercirrh + Cachexia	-2.263	4.586	.5209	
Ideopathic cachexia, Malnutrition	.848	4.586	.7144	
Ideopathic cachexia, more Controls	1.462	5.127	.5730	
Ideopathic cachexia, nc CHF	1.251	4.077	.5441	
Infection, Livercirrh + Cachexia	.338	3.243	.8366	
Infection, Malnutrition	3.450	3.243	.0373	S
Infection, more Controls	4.063	3.971	.0450	S
Infection, nc CHF	3.853	2.472	.0026	S
Livercirrh + Cachexia, Malnutrition	3.112	3.243	.0598	
Livercirrh + Cachexia, more Controls	3.725	3.971	.0657	
Livercirrh + Cachexia, nc CHF	3.515	2.472	.0058	S
Malnutrition, more Controls	.613	3.971	.7600	
Malnutrition, nc CHF	.403	2.472	.7472	
more Controls, nc CHF	-.210	3.371	.9017	

Figure 2



Chronic wasting disorders show increased activity of SNS as evidenced by increased plasma noradrenaline levels

* All of these cachectic groups have higher mean plasma noradrenaline levels which are higher than normal

Figure 3

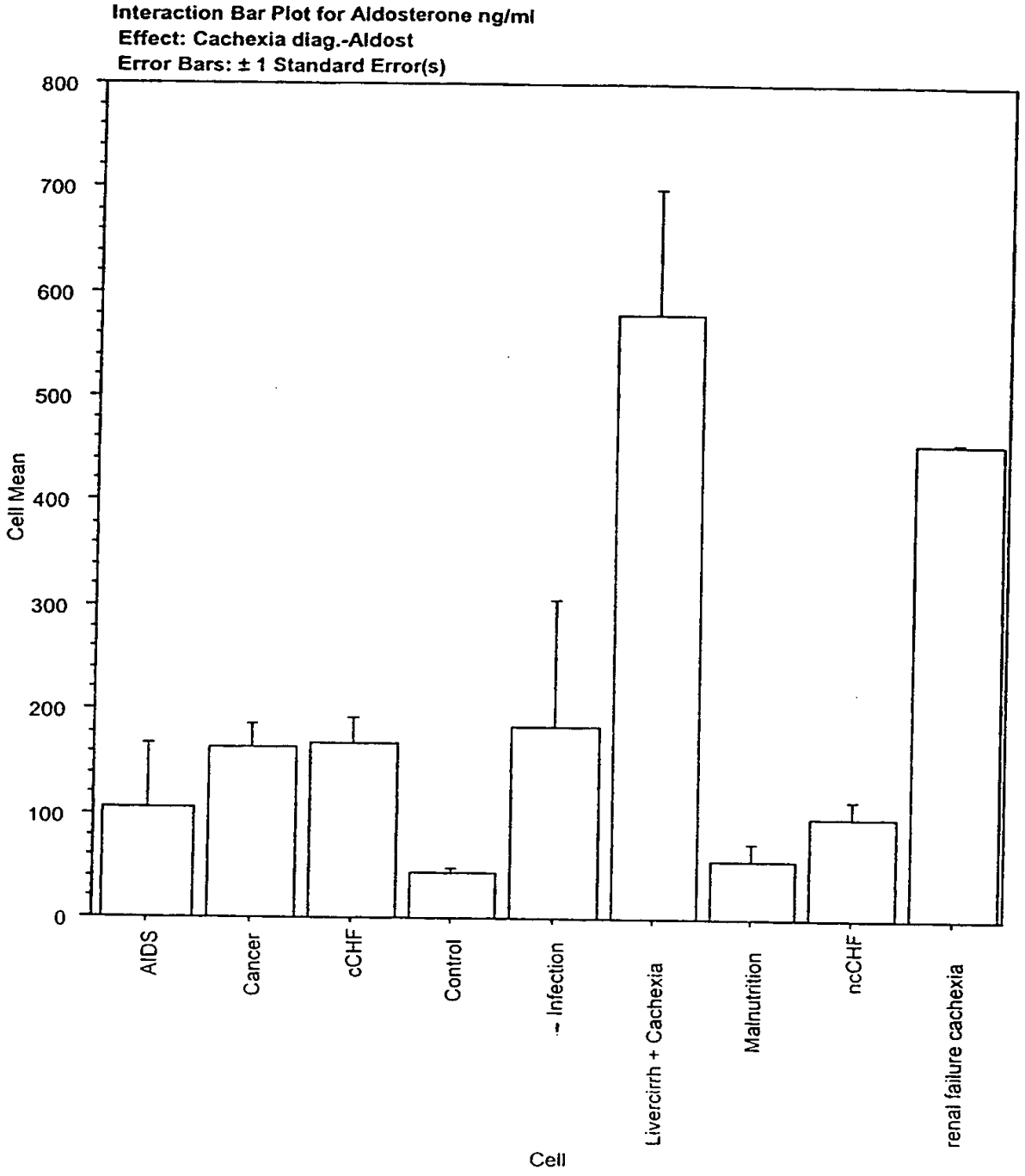
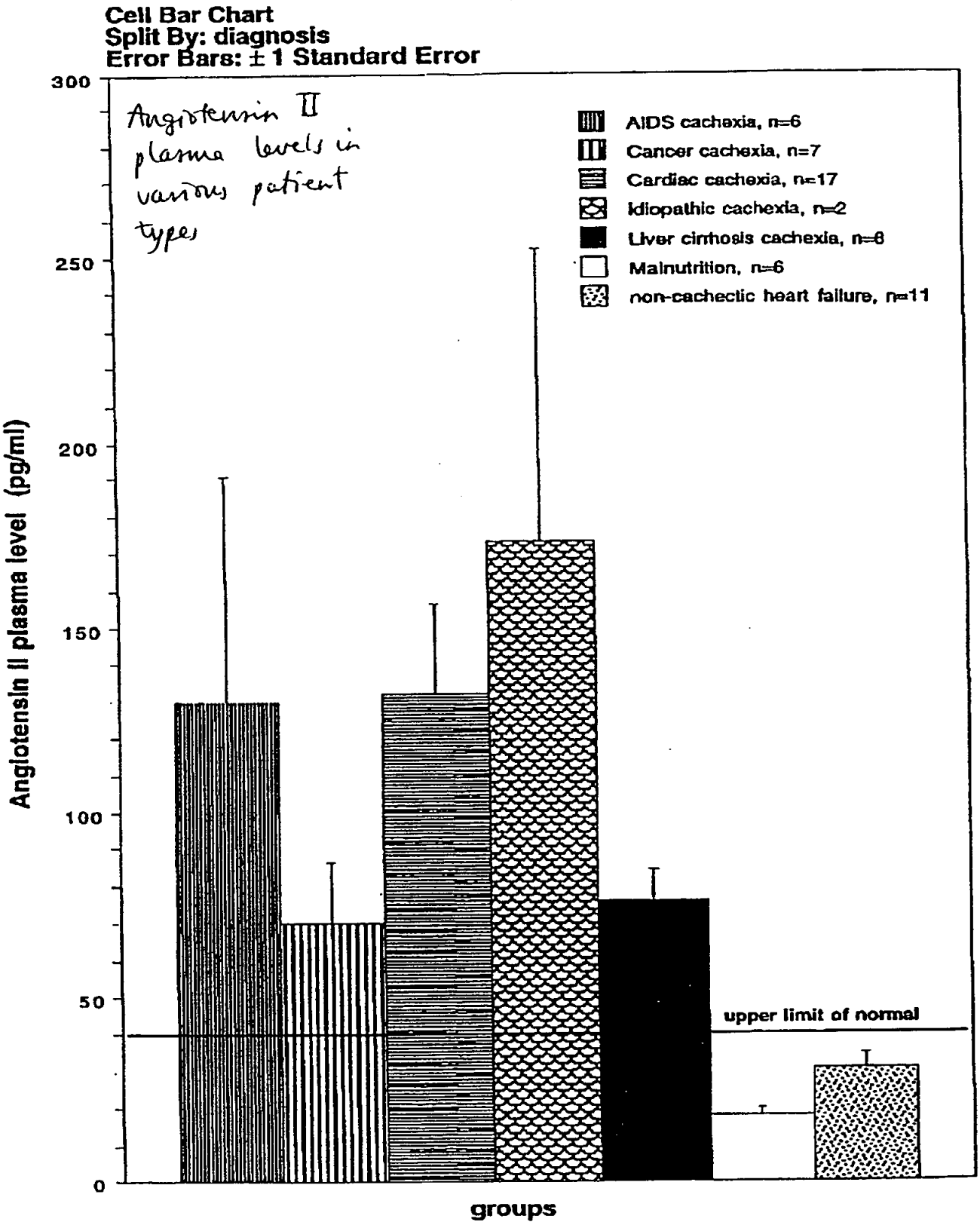

Interaction Bar Plot for Aldosterone ng/ml
Effect: Cachexia diag.-Aldost
Error Bars: ± 1 Standard Error(s)
Cell Mean
800
700
600
500
400
300
200
100
0
AIDS
Cancer
cCHF
Control
- Infection
Livercirrh + Cachexia
Malnutrition
ncCHF
renal failure cachexia
Cell

Figure 4



Patients with wasting disease have increased angiotensin II plasma levels

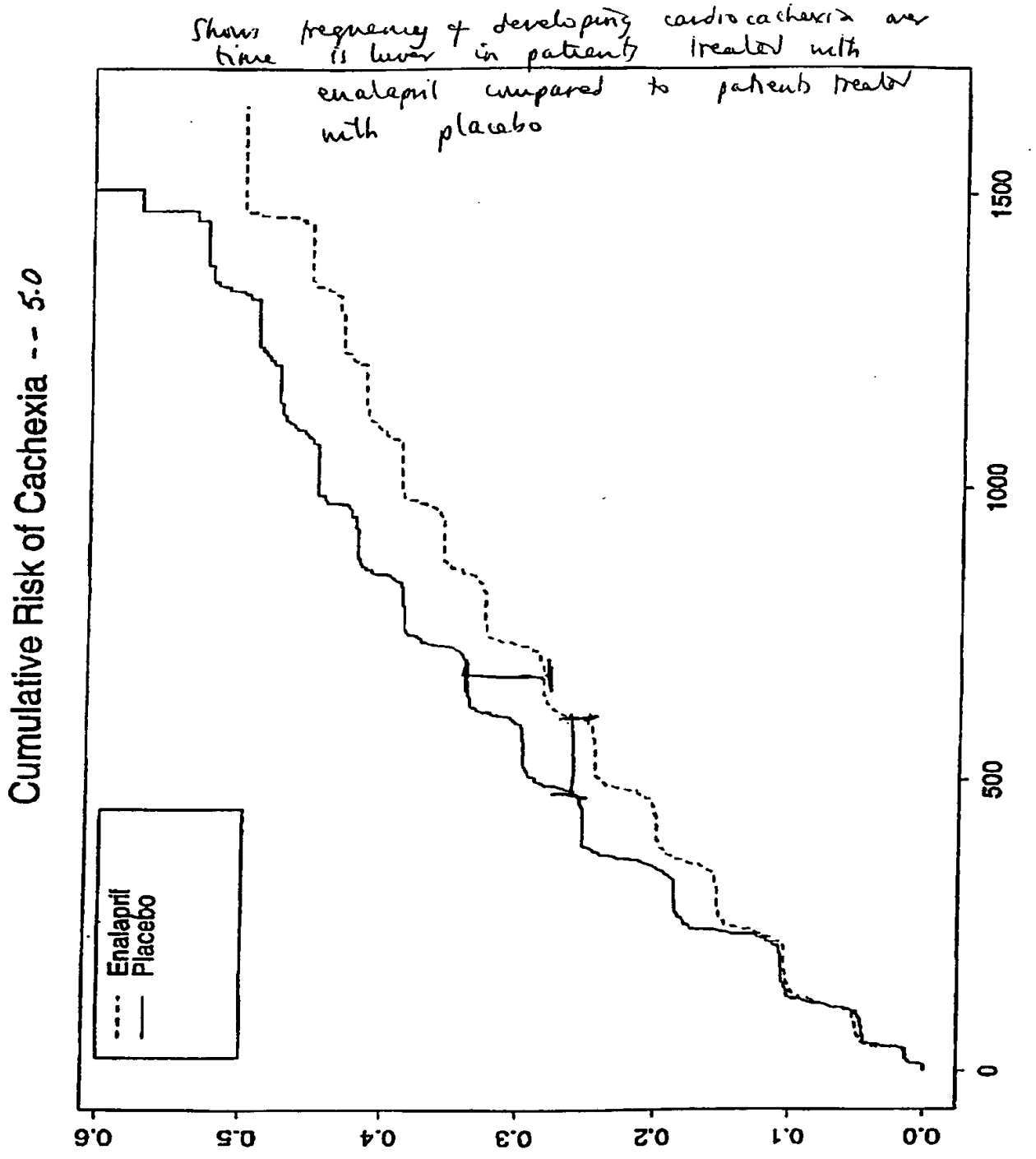


Figure 5